

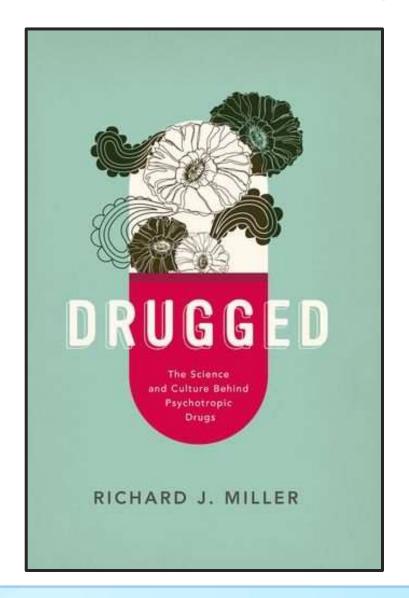
Grant Baldwin, PhD, MPH

July 1, 2015

National Center for Injury Prevention and Control Division of Unintentional Injury Prevention

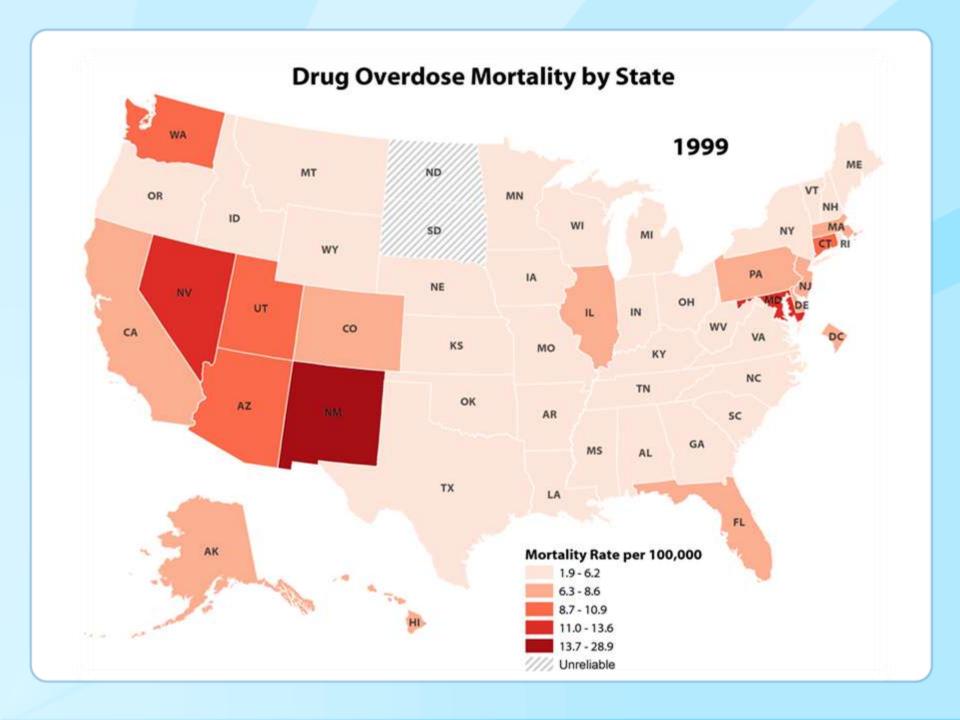


How We Got to Now?

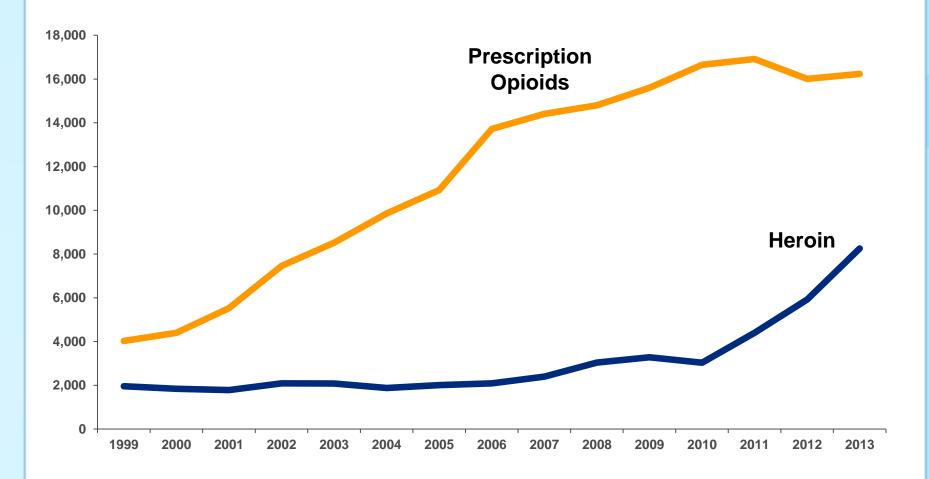


he relentless marketing of pain pills. Crews from one small Mexican town selling heroin like pizza. The collision has led to America's greatest drug scourge. The True Tale of America's Opiate Epidemic DREAM LAND SAM QUINONES





Rise in Rx overdose deaths since 1999 and recent increase in heroin deaths

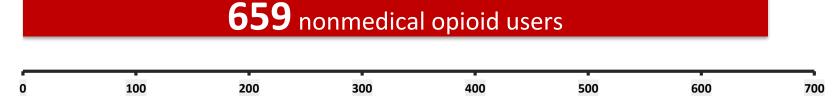


CDC, National Center for Health Statistics, National Vital Statistics System

For every Rx opioid overdose death in 2011, there were...

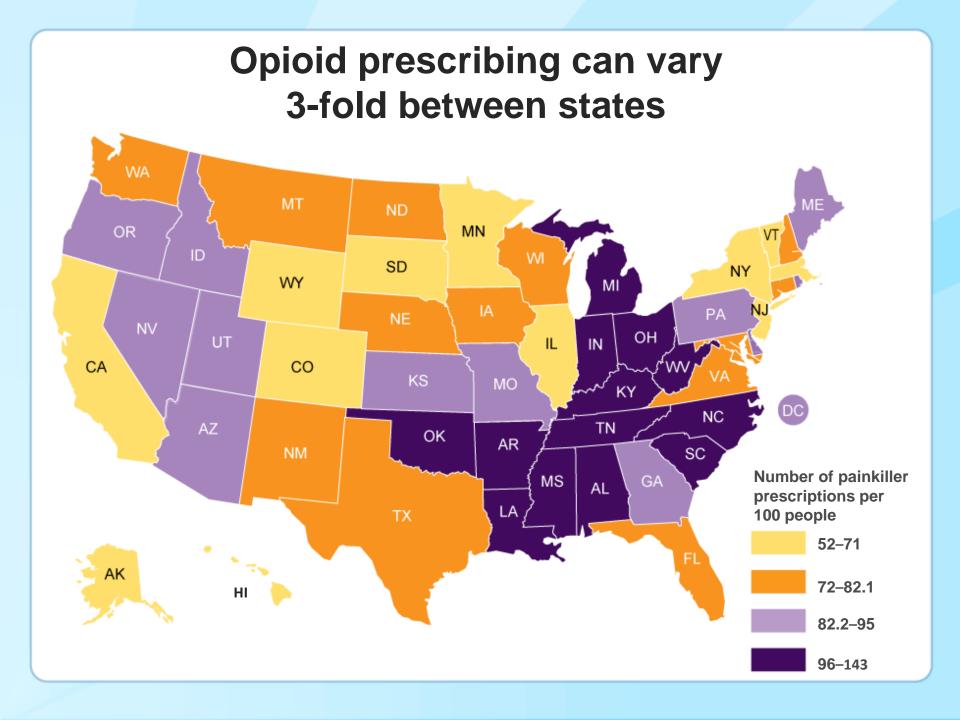
- 12 treatment admissions for opioids
- **25** emergency department visits for opioids

105 people who abused or were dependent on opioids

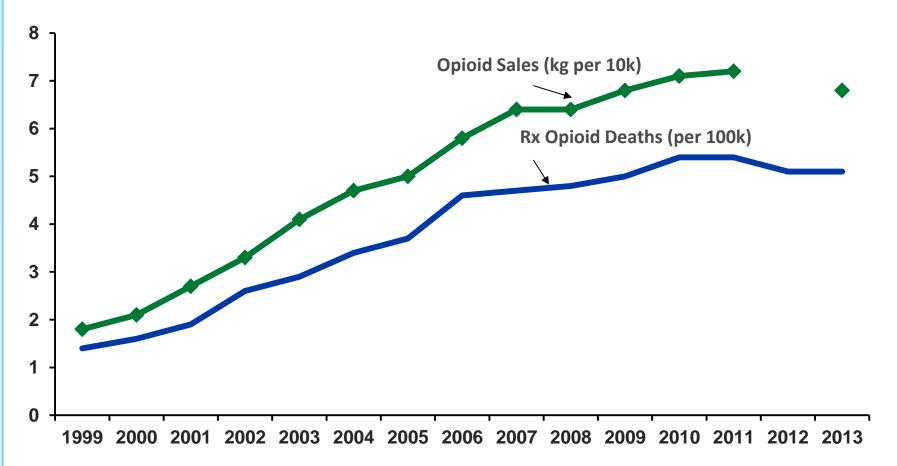


SAMHSA NSDUH, DAWN, TEDS data sets.



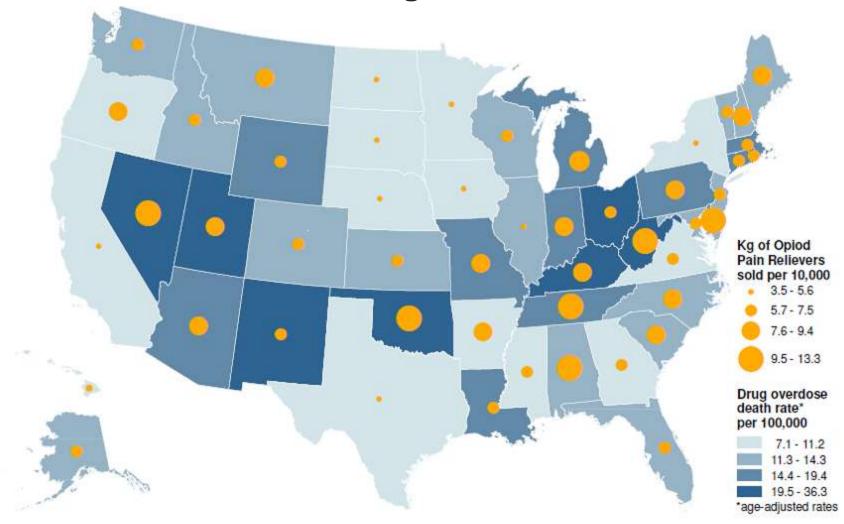


Sharp increases in opioid prescribing coincides with sharp increases in Rx opioid deaths



National Vital Statistics System, DEA's Automation of Reports and Consolidated Orders System.

States with more opioid pain reliever sales tend to have more drug overdose deaths



Death rate, 2013, National Vital Statistics System. Opioid pain reliever sales rate, 2013, DEA's Automation of Reports and Consolidated Orders System



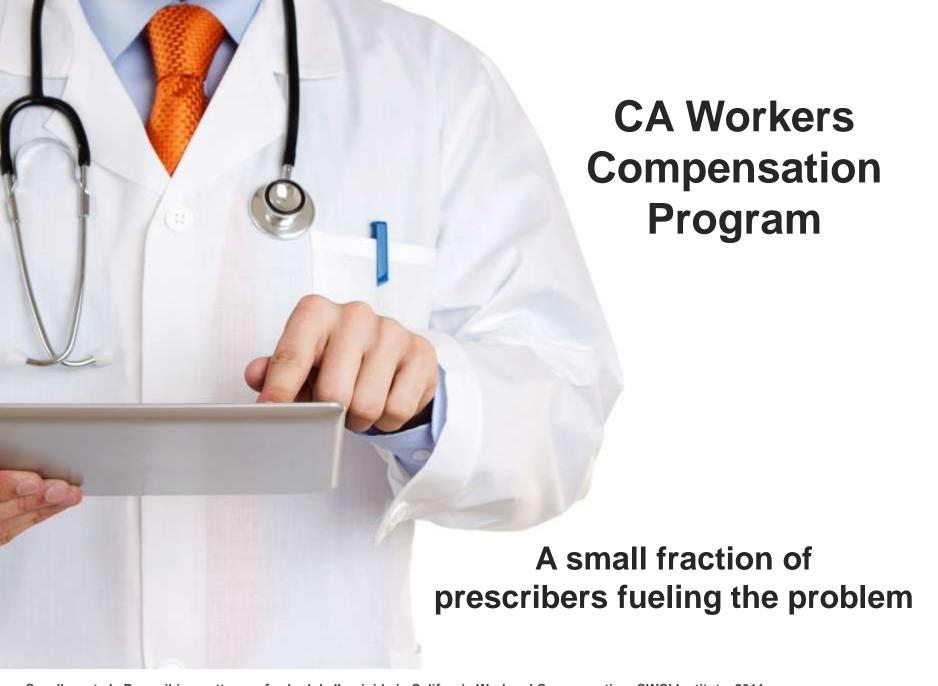
The Role of Opioid Prescribing

Upper Midwest

Appalachia



Death rate, 2013, National Vital Statistics System. Opioid pain reliever sales rate, 2013, DEA's Automation of Reports and Consolidated Orders System



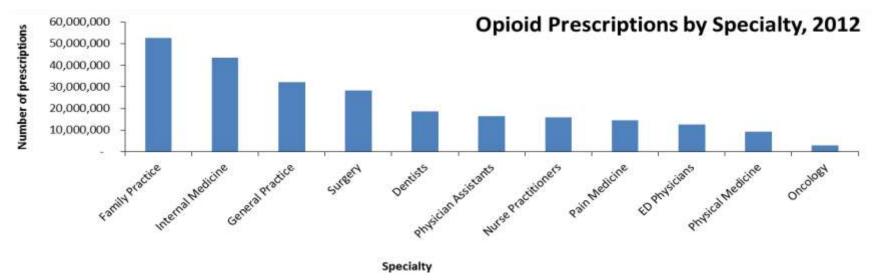
3 Percent Prescribe...

55% of CSII opioid Rx

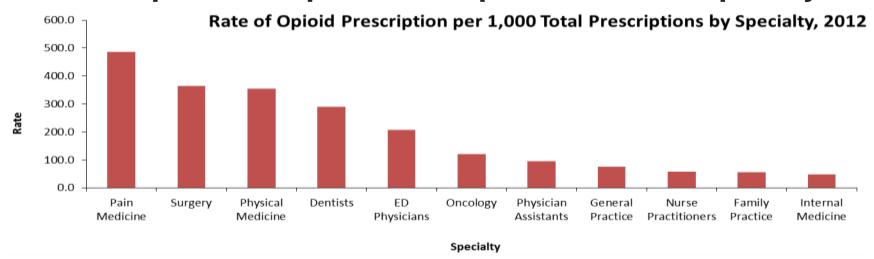
62% of morphine equivalents

65% of associated payments

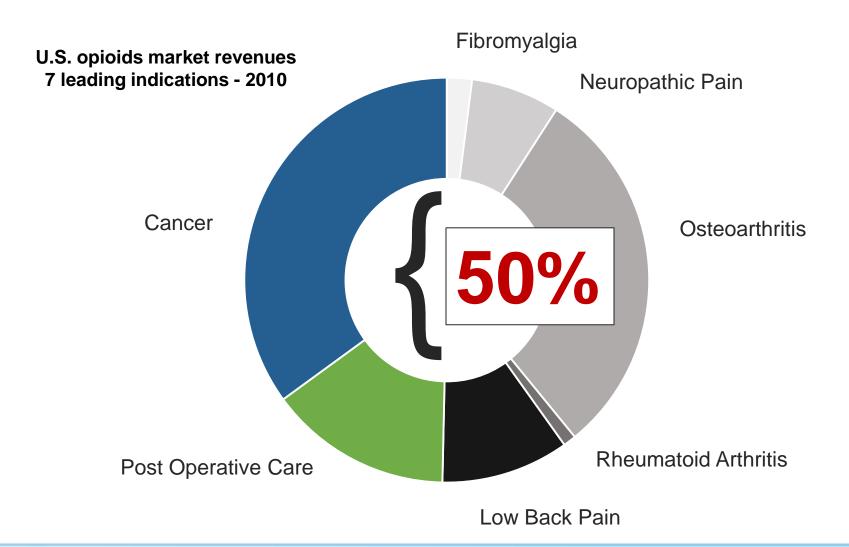




Pain specialists prescribe opioids most frequently



Half of US Opioids Market is Treatment for Chronic, Non-Cancer Pain



Who is at risk for an overdose?

Risk Factors

- Patients receiving opioids from multiple prescribers and/or pharmacies
- Patients taking high daily doses of opioids



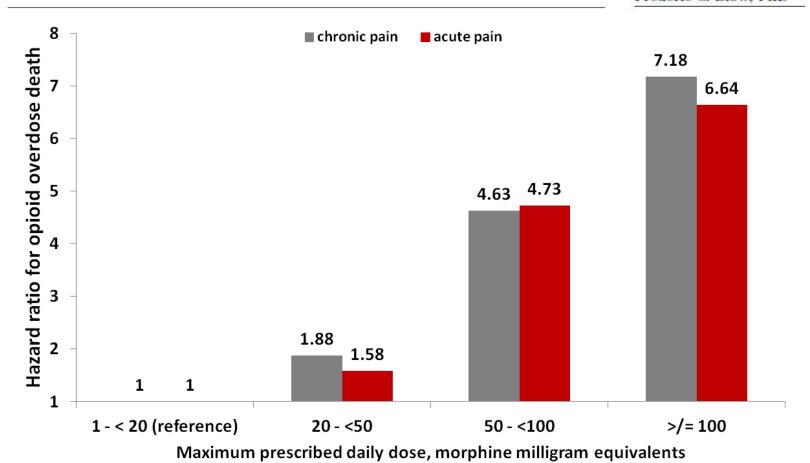
Demographics

- > Men
- > 35-54 year olds
- Whites
- American Indians/Alaska Natives

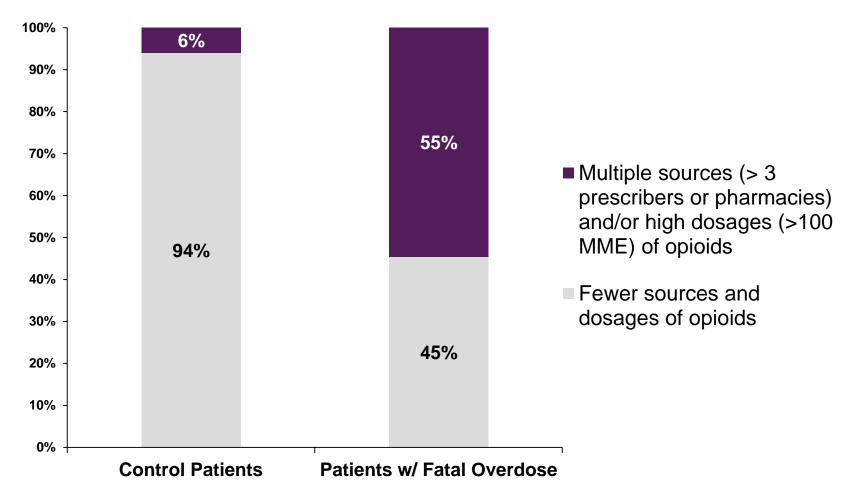
Socioeconomics & geography

- Medicaid
- > Rural

Association Between Opioid Prescribing Patterns and Opioid Overdose-Related Deaths



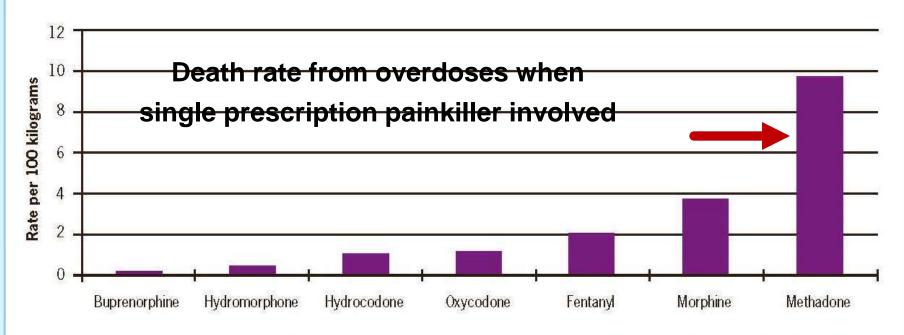
Majority of opioid overdose deaths associated with multiple sources and/or high dosages



Baumblatt JAG et al. High Risk Use by Patients Prescribed Opioids for Pain and its Role in Overdose Deaths. JAMA Intern Med 2014; 174: 796-801.

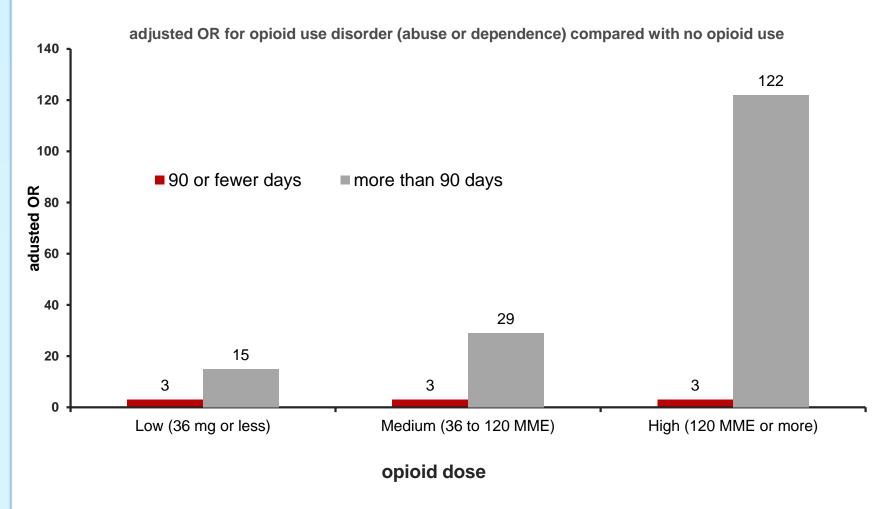


Methadone contributes to largest fraction of opioid-related deaths



Source: Substance Abuse and Mental Health Services Administration, Center for Behavioral Statistics and Quality, Drug Abuse Warning Network Medical Examiner Component, 2009.

Longer durations and higher doses of opioid treatment are associated with opioid use disorder



Edlund, MJ et al. The role of opioid prescription in incident opioid abuse & dependence among individuals with chronic noncancer pain. Clin J Pain 2014; 30: 557-564.

HIV and HEP C Outbreak 2015

- ➤ 135 new HIV infections diagnosed in town of 4,200 people – Austin, Indiana.
- Co-infection with hepatitis C virus in 84% of patients
- Spread by Injection Drug Users using OPANA. Daily injections ranged from 4 to 15.
- Average of nine syringe-sharing partners, sex partners, or other social contacts
- Reported number of injection partners ranged from 1 to 6 per injection event

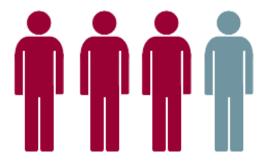




SOURCE: Conrad, C. et al. (2015). Community outbreak of HIV infection linked to injection drug use of oxymorphone—Indiana, 2015. MMWR Morb Mortal Wkly Rep, 64(16), 443-444..

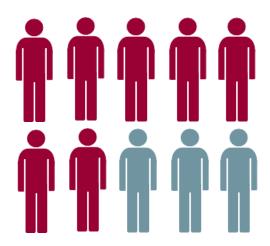


Prescription opioid misuse is a major risk factor for heroin use



3 out of 4 people who used heroin in the past year misused

opioids first

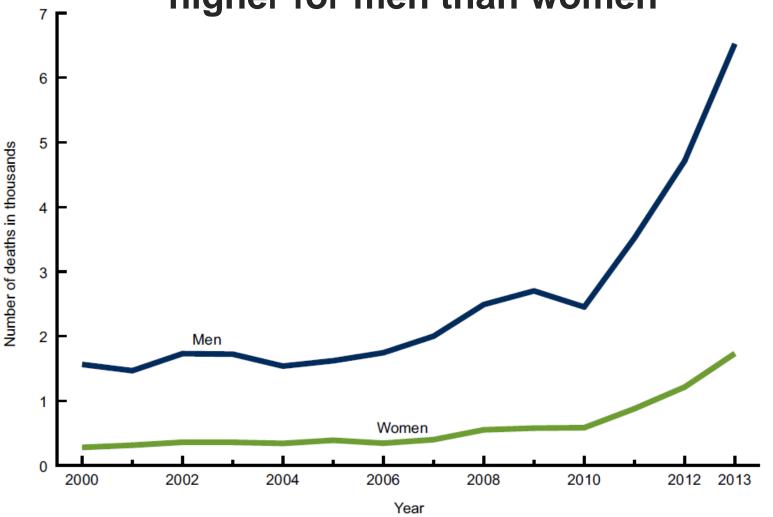


7 out of 10 people

who used heroin in the past year also misused opioids in the past year

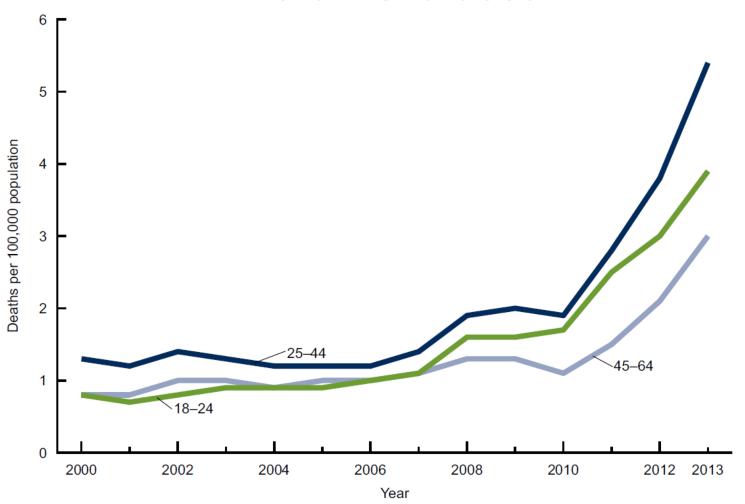
Jones, C.M., Heroin use and heroin use risk behaviors among nonmedical users of prescription opioid pain relievers – United States, 2002–2004 and 2008–2010. Drug Alcohol Depend. (2013).

Heroin overdose deaths nearly four times higher for men than women



CDC/NCHS, National Vital Statistics System, Mortality.

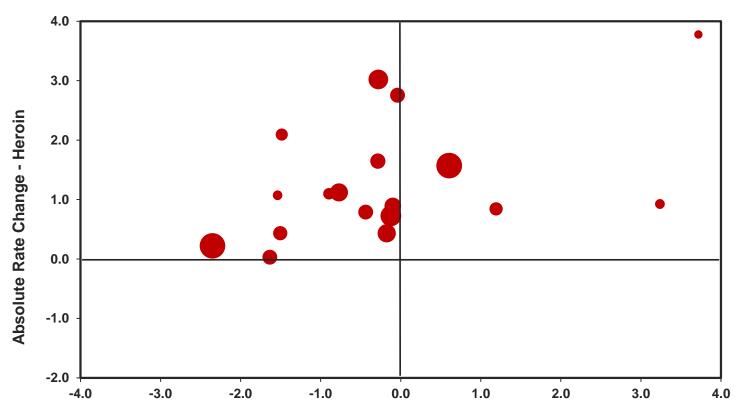
Adults age 25-44 have the highest rate of heroin overdose



CDC/NCHS, National Vital Statistics System, Mortality.

Recent increase in heroin overdose deaths are not associated with decreases in Rx opioid deaths

18 States - 2010-2012



Absolute Rate Change - Prescription Opioid Pain Relievers

JULY 2015

Vitälsigns

Today's Heroin Epidemic

Release Date July 7, 2015

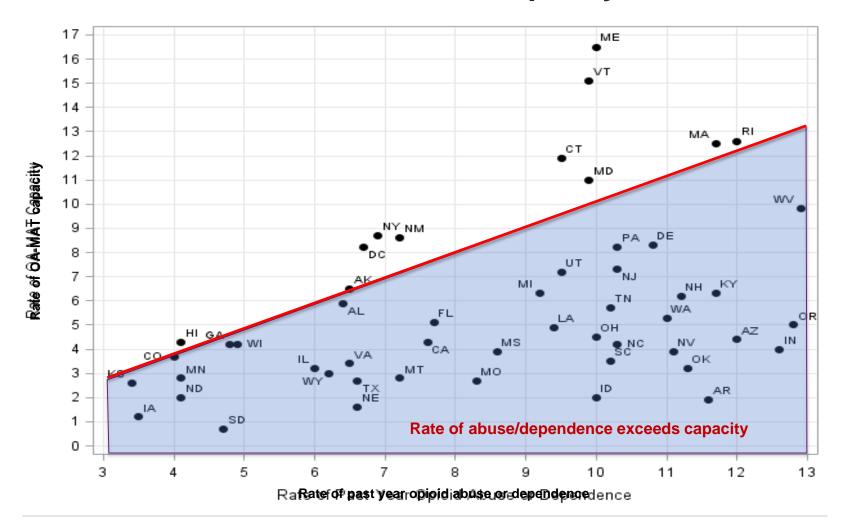


Two groups of people with two different sets of needs

Addicted/Dependent Need access to services



Opioid Abuse and Dependence exceeds Medication-Assisted Treatment Capacity in most States



Jones, C. M., Campopiano, M., Baldwin, G., & McCance-Katz, E. (2015). National and State Treatment Need and Capacity for Opioid Agonist Medication-Assisted Treatment. American Journal of Public Health, (0), e1-e9.

Three Pillars of CDC's Prescription Drug Overdose Prevention Work

- Improve data quality and track trends
- Strengthen state efforts by scaling up effective public health interventions
- Supply healthcare providers with resources to improve patient safety









